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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	09/691,405
Filing Date	October 17, 2000
First Named Inventor	Steven R. BINDER et al.
Art Unit	1631
Examiner Name	Allen, Marianne P.
Attorney Docket Number	02558B-063700US

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U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MPA	1	US-6,024,705	02-15-2000	Schlager et al.	
↓	2	US-6,031,232	02-29-2000	Cohenford et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
not publication that is citable		ASSADI, A. "A basic introduction to pattern recognition," at <<http://www.lomg.wisc.edu/bioCVC/courses/math001-12001/courseware/patternRecog_Intro_Reading.pdf>> visited on September 24, 2002	
MPA	4	BEGLEY, R.J. et al. "Adding intelligence to medical devices," <i>Medical Device & Diagnostic Industry</i> March 2000, pp. 150-173.	
↓	5	BOYD, J.C. et al. "Effect of atypical antibiotic resistance on microorganism identification by pattern recognition," <i>J. of Clinical Microbiology</i> December 1978, pp. 689-694, Vol. 8, No. 6.	
↓	6	CABELLO, D. et al. "Fuzzy K-nearest neighbor classifiers for ventricular arrhythmia detection," <i>Int. J. Biomed. Comput.</i> 1991, pp. 77-93, Vol. 27.	
↓	7	CASTELLI, V. and BRODIE, M. "EE 6880 special topics in signal processing statistical pattern recognition," at <<http://www.ee.columbia.edu/academics/CastelBrodiecourse description.pdf>> visited on September 24, 2002, 1 page total.	
↓	8	DeJESUS, E.X. "Tech Update-Achieving expert ease: expert systems can speed work, answer questions and offer guidance in all areas of healthcare," <i>Healthcare Informatics</i> January 2000, pp. 55-60.	

Examiner Signature	MPAllen	Date Considered	1/24/03
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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MPA	9	ESSEX, D. "Artificial Intelligence-Long-awaited technology eases into healthcare, may stimulate e-business," <i>Healthcare Informatics</i> February 2000, pp. 74-76.	
MPA	10	GLICKMAN, S.E. et al. Rapid identification of mycolic acid patterns of mycobacteria by high-performance liquid chromatography using pattern recognition software and a mycobacterium library," <i>J. of Clin. Microbiology</i> March 1994, pp. 740-745, Vol. 32, No. 3.	
not citable publication	11	GRAFENSTEIN, H.V. "Phar 441 Immunology: lecture 10-autoimmune diseases," Autoimmune diseases at <<http://www-hsc.usc.edu/~grafen/teaching/lectures8.htm>> visited on August 28, 2000, 9 pages total.	
MPA	12	HUANG, H. and ANTONELLI, P. "Application of principal component analysis to high-resolution infrared measurement compression and retrieval," <i>J. of Applied Meteorology</i> March 2001, pp. 365-388, Vol. 40.	
↓	13	IVANDIC, M. et al. "The use of knowledge-based systems to improve medical knowledge about urine analysis," <i>Clinica Chimica Acta</i> 2000, pp. 251-260, Vol. 297.	
not citable publication	14	MELLORS, R.C. "Immunopathology," at <<http://edcenter.med.cornell.edu/CUMC_PathNotes/Immunopathology/Immunopathology.html>> visited on September 28, 2000, 42 pages total.	
MPA	15	MOENS, H.J.B. and Van der KORST, J.K. "Computer-assisted diagnosis of rheumatic disorders," <i>Seminars in Arthritis and Rheumatism</i> December 1991, pp. 156-169, Vol. 21, No. 3.	
not citable publication	16	NIH publications "Understanding autoimmune disease-how are autoimmune diseases treated?" at <<http://www.niaid.nih.gov/publications/autoimmune/treated.htm>> visited on August 28, 2000, 2 pages total.	
↓	17	NIH publications "Understanding autoimmune disease-how are autoimmune diseases diagnosed?" at <<http://www.niaid.nih.gov/publications/autoimmune/diagnosed.htm>> visited on August 28, 2000, 1 page total.	

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	18	NIAID publications "Understanding autoimmune disease-how does the immune system work?" at << http://www.niaid.nih.gov/publications/autoimmune/work.htm >> visited on August 28, 2000, 6 pages total.	
	19	NIAID publications "Understanding autoimmune disease-what are autoimmune diseases?" at << http://www.niaid.nih.gov/publications/autoimmune/what.htm >> visited on August 28, 2000, 1 page total.	
	20	NIAID publications "Understanding autoimmune disease-what are some examples of autoimmune diseases?" at << http://www.niaid.nih.gov/publications/autoimmune/examples.htm >> visited on August 28, 2000, 4 pages total.	
	21	NIAID publications "Understanding autoimmune disease-what are the causes of autoimmune diseases?" at << http://www.niaid.nih.gov/publications/autoimmune/causes.htm >> visited on August 28, 2000, 2 pages total.	
	22	NIAID publications "Understanding autoimmune disease-who is affected by autoimmune diseases?" at << http://www.niaid.nih.gov/publications/autoimmune/who.htm >> visited on August 28, 2000, 1 page total.	
	23	Principal component analysis "Principal component analysis," at << http://www.cis.hut.fi/~aapo/papers/NCS99web/node5.html >> visited on September 24, 2002, 2 pages total.	
MA	24	SMITH, B.J. and McNEELY, M.D.D. "The influence of an expert system for test ordering and interpretation on laboratory investigations," <i>Clinical Chem.</i> 1999, pp. 1168-1175, Vol. 45, No. 8.	
not citable publication	25	JOBIN, K.W. et al. "Adaption of the fuzzy K-nearest neighbor classifier for manufacturing automation," at http://www.ismv.icornl.gov/publications/kwt_spie98.pdf visited on September 24, 2002.	
MA	26	TRENDELENBURG, C. et al. "Knowledge-based test result interpretation in laboratory medicine," <i>Clinica Chimica Acta</i> 1998, pp. 229-242, Vol. 278.	

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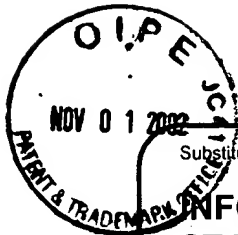
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<i>not cited in publication</i>	27	Van OYEN, A. "Theoretical aspects of pattern analysis: a simple introduction to principal component and cluster analysis," at << http://www.anc.ed.ac.uk/~arjen/papers/cluster_abstract.html >> visited on September 24, 2002, 2 pages total.	

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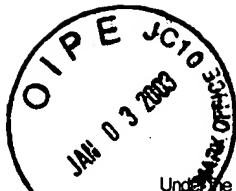
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mit	1	US-5,674,688	10-07-1997	Kauvar et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
MPK	2	PCT	WO 96/12187	A1	04-25-1996			<input type="checkbox"/>

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MPK	3	PETROVEČKI, M. et al. "An algorithm for leukaemia immunophenotype pattern recognition," <i>Med. Inform.</i> 1993, pp. 11-21, Vol. 18, No. 1.	
✓	4	THOMPSON, D. et al. "The clinical significance of autoantibody profiles in patients with systemic lupus erythematosus," <i>Lupus</i> 1993, pp. 15-19, Vol. 2.	

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